



## CMF / CRF Details

**CMF ID: 2346**

**Install TWLTL (two-way left turn lane) on two lane road**

**Description:**

**Prior Condition:** *No Prior Condition(s)*

**Category:** Roadway

**Study:** [\*Safety Evaluation of Installing Center Two-Way Left-Turn Lanes on Two-Lane Roads, Lyon et al., 2008\*](#)

**Star Quality Rating:**



### Crash Modification Factor (CMF)

**Value:** 0.739

**Adjusted Standard Error:**

**Unadjusted Standard Error:** 0.068

### Crash Reduction Factor (CRF)

**Value:** 26.1 (*This value indicates a **decrease** in crashes*)

**Adjusted Standard Error:**

**Unadjusted Standard Error:** 6.8

### Applicability

**Crash Type:** All

**Crash Severity:** K (fatal),A (serious injury),B (minor injury),C (possible injury)

**Roadway Types:** Not Specified

**Number of Lanes:** 2

**Road Division Type:** Divided by TWLTL

**Speed Limit:**

**Area Type:** All

**Traffic Volume:**

**Time of Day:** All

### *If countermeasure is intersection-based*

**Intersection Type:**

**Intersection Geometry:**

**Traffic Control:**

**Major Road Traffic Volume:**

**Minor Road Traffic Volume:**

### Development Details

**Date Range of Data Used:** 1990 to 2004

**Municipality:**

**State:** AR, CA, IL, NC

<b>Country:</b>	
<b>Type of Methodology Used:</b>	2
<b>Sample Size Used:</b>	
<b>Before Sample Size Used:</b>	582
<b>After Sample Size Used:</b>	582

<b>Other Details</b>	
<b>Included in Highway Safety Manual?</b>	No
<b>Date Added to Clearinghouse:</b>	Dec-01-2009
<b>Comments:</b>	

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